PATENT CLAIMS:

1. A system for the bidirectional acquisition and reproduction of images and sound at at least two locations, each of which has at least one television camera and at least one display screen, preferably a light-transmissive projection wall or an image display with light-emitting diodes or the like as image points, characterized in that the image screen, preferably the projection wall (3) has at least one gap as a free viewing path for the television camera (7, 8, 9, 10; 25), with respect to which the projected image is shielded out or which is free from light-emitting diodes or the like, and in that the gap (4, 24) is movable transversely o its longitudinal direction to pick up a complete image within the framework of the reception angle of the television cameras (7, 8, 9, 10; 25) together with the projection wall (3) whereby the travel speed of the gap is above the detection limit of the human eye while the projected or reproduced image on the movable projection wall (3) remains stationary.

2. The system according to claim 1, characterized in that as the projection wall (3) the surface of an optical circular cylinder (2) is provided which has glass clear zones or openings along respective generatrices of the circular cylinder (2) in spaced relationship as gaps (4), in that television cameras (7, 8, 9, 10) for four for example, four quadrants, are arranged

stationarily in the interior of the circular cylinder (2) and in that the gaps (4) are delimited by radial light-tight walls defining pickup shafts (5) which end adjacent the optics for the television cameras (7, 8, 9, 10) and are driven together with the projection wall (3) in a circular path.

3. The system according to claim 2, characterized in that the television cameras (7, 8, 9, 10) are surrounded by a light-tight casing (6) rotating with the projection wall (3) to which the pickup shafts (5) extending in the radial direction are connected as the sole light-admission region.

4. The system according to claim 1, characterized in that as the projection wall (3) is formed as a flexible light-transmissive belt traveling around rerouting rollers (20) and provided with a gap (24) or slit transverse to the travel direction through which the television camera (25) can take a picture freely and in that directly adjacent the television camera (25) a synchronously traveling shutter (26) is provided for the image acquisition of the television camera (25) which shields the projection surface (23) of the projector (28) for image acquisition by the camera (25).